

RCS 100

ISDB-T

MONITORING SYSTEM FOR ISDB-T NETWORKS TO ANALYZE AND ENSURE THE QUALITY OF THE NETWORK



PROFESSIONAL MONITORING:

RF ANALYSIS

- Real Time spectrum
- Two ways of operation: channel analysis or multiple channel polling
- Signal quality measurements: Power, C/N, MER, Pre-BER (by layer), Post-BER (by layer), Shoulders
- Alarm log (real time) and representation (time evolution)

TS ANALYSIS

- Bitrate
- Level 1, 2 priority error analysis
- Table repetition and quality analysis
- Services treeview

AND MUCH MORE...

- Video thumbnails
- Local display of measurements and alarms
- 1 RF input, 1 ASI input, 1 ASI output, and HDMI audio/video output
- Ethernet connectivity
- 1 PPS & 10 MHz synchronization inputs
- HTML5 control application
- SNMP v2.0 alarms

OPTIONAL FEATURES

- ✓ IP (TSolP) INPUT
- ✓ Redundant IP INPUT
- ✓ Additional DVB standard
- ✓ Full historical measurements with alarms analysis
- ✓ Advanced Measurements
(Full Spectrum, Echoes, Constellation)
- ✓ Frequency offset
- ✓ Extended TS Analysis
(Level 3 priority errors, PCR Jitter, Network Delay)
- ✓ BTS Analysis
- ✓ TS Recording
- ✓ Live Streaming

GSERTEL

RCS 100

ADVANCED REMOTE MONITORING SYSTEM
FOR ISDB-T

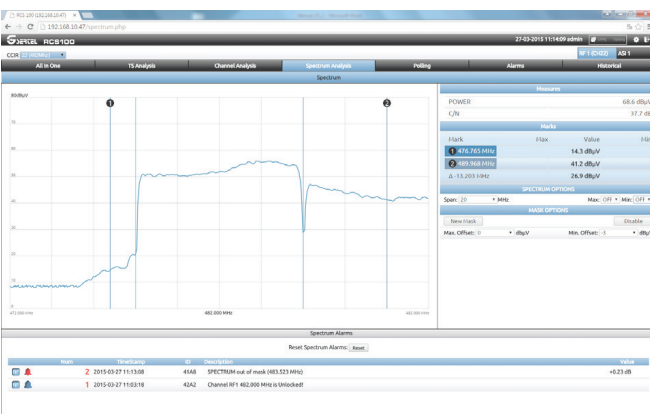


MANAGEMENT SYSTEM



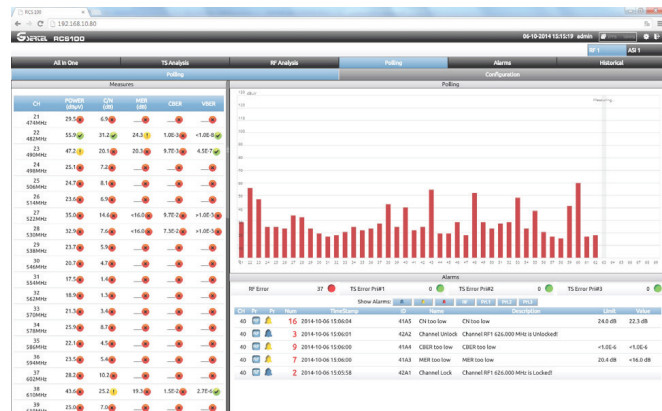
ALL IN ONE

Shows an overview of the channel status on one screen. It shows spectrum, services, measurements, alarms, Pids. All integrated in a single view for quick analysis



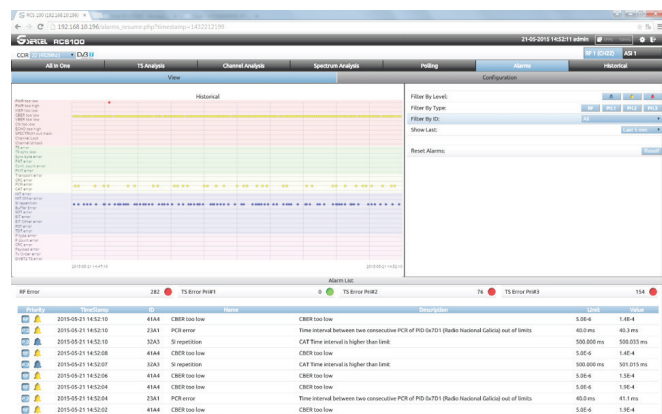
FULL SPECTRUM (OPT.)

Represents realtime spectrum of the monitored channel with detailed measurements, mask, max. and min. hold features



POLLING

Continuous measuring of an user-defined number of channels



ALARMS

Represents the alarms counter during an user-selected period of time

SPECIFICATIONS

Standards

ARIB STD-B31 (ISDB-T/Tb)

Inputs

RF: 1 x 50 Ω N connector

RF Input Frequency:

47MHz to 1GHz

SYNC: 1 x 1PPS BNC 50 Ω

10MHz BNC 50 Ω

TS: 1 x ASI IN BNC 75Ω

IP: 2 x GE RJ45 (TSolP) (opt.)

Outputs

TS: 1 x ASI OUT BNC 75Ω

A/V: 1 x HDMI

RF Measurements

20 MHz Spectrum

Power, C/N, Shoulders

MER, CBER, VBER

Pre-BER (by layer) and Post-BER (by layer)

Frequency Offset (opt.)

Constellation (opt.)

Echoes (opt.)

Full Spectrum (opt.)

MPEG Measurement

Level 1,2 y 3 priority errors (level 3 opt.)

Alarms log analysis

PCR Jitter (opt.)

Network delay (opt.)

MIP maximum network delay (opt.)

BTS Analysis

IP flow measurements (opt.)

Packet arrival max. & min

IP & UDP payload bitrate

Media loss rate

Loss IP frames

Corrected IP frames

Mechanical characteristics

1U 19" rackable unit

Size: 482mm W x 348mm D x 41mm H

Working temperature: 0 a 40 °C

Storage temperature: 0 a 50 °C

Electrical Characteristics

Input 100 - 240 VAC 50-60Hz 1.4A

Interfaces

1 x USB 2.0

1 x Ethernet RJ45

LCD Graphic display

HDMI

Control protocols

HTML and SNMP